

Data Conservancy

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NSF DataNet/Interop Pls meeting – January 26, 2012

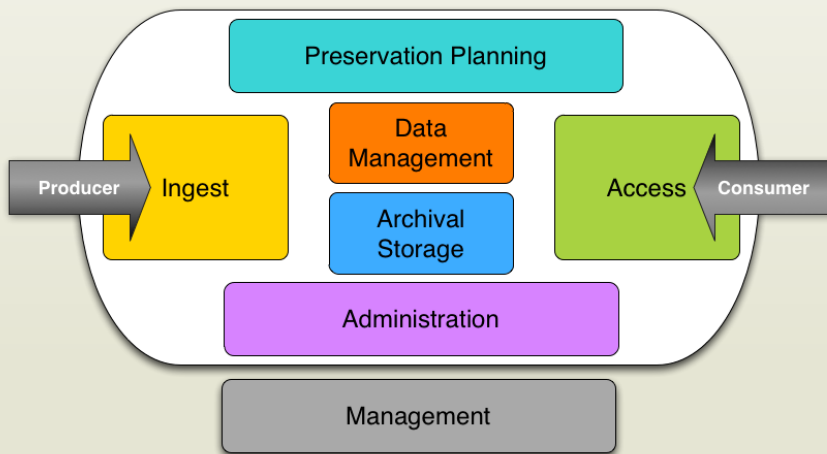


Data Conservancy Objectives

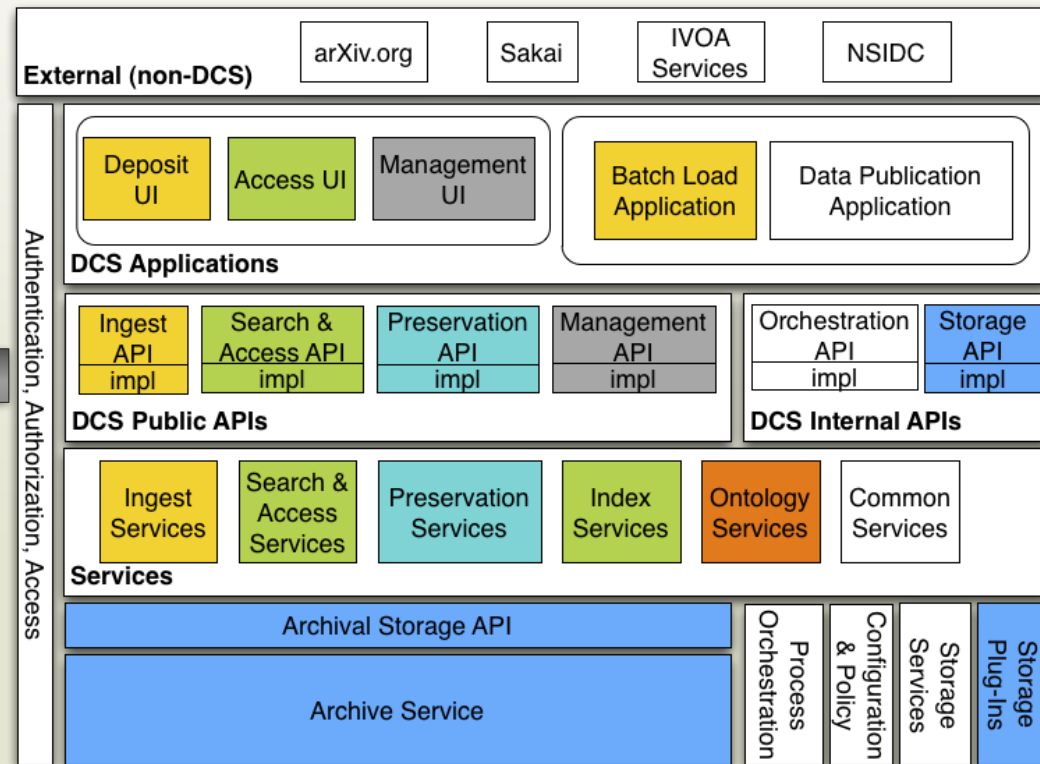
- Data Conservancy is a community that develops solutions for data preservation and sharing to promote cross-disciplinary re-use.
- Preserve – collect and take care of research data
- Share – reveal data's potential and possibilities
- Discover – promote re-use and new combinations



Architecture mapped to OAIS



Open Archival Information System
Functional Entities



Data Conservancy Service
Architecture Block Diagram



Definition of Data Preservation

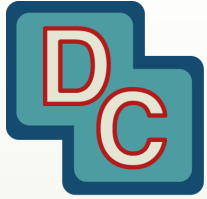
- “Data preservation involves providing enough representation information, context, metadata, fixity, etc. such that someone other than the original data producer can use and interpret the data.”
 - Ruth Duerr, National Snow and Ice Data Center



Defining Sustainability



- “Ensuring that valuable digital assets will be available for future use is not simply a matter of finding sufficient funds. It is about mobilizing resources—human, technical, and financial—across a spectrum of stakeholders diffuse over both space and time.”



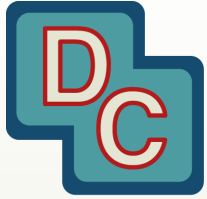
Powered by Data Conservancy

- JHU Data Management Service (DMS) represents the culmination of two years of research, design, development and implementation of Data Conservancy
- Service launched in July 2011
- DC instance launched in October 2011
- Important, essential foundations in place
- There remains work to be done



Establishing the JHU DMS

- May 2010 NSF announces DMP expectations
- Services incubated and scoped summer/fall 2010
 - Build on Data Conservancy expertise
- Proposed in January and launched in July 2011
 - Consultative data management planning services to support NSF proposals
 - Post award data management services
- Assessment of service in March 2012



Acknowledgements and Resources

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- Data Conservancy colleagues for their exceptional work and patience
- <http://dataconservancy.org>
- <http://dmp.data.jhu.edu>